

PF 40 JAN 2001: 2001W US096459.
 XX
 PF 04 FEB 2000: 2000US-019012.
 PR 26 MAY 2002: 2000US-027456.
 PR 30 JUN 2000: 2000US-060848.
 PR 03 AUG 2000: 2000US-066246.
 PR 21 SEP 2000: 2000US-024647.
 PR 04 OCT 2000: 2000US-024659.
 XX
 PA (MOLE-) MOLECULAR DYNAMICS INC.
 XX
 PI Peito SG, Hanzei DK, Chen W, Rank DR;
 XX
 DB WPI: 2001-48447/52.
 XX
 Human genome-derived single exon nucleic acid probes useful for analyzing gene expression in human fetal liver.
 PT
 XX
 PS claim 4 : SEQ ID No 18439; 639pp + sequence listing; English.
 XX
 the invention relates to a single exon nucleic acid probe for measuring human gene expression in a sample derived from human fetal liver. The single exon nucleic acid probe may be used for predicting, measuring and displaying gene expression in samples derived from human fetal liver. The present invention is a single exon nucleic acid probe of the invention.
 CC Note: the sequence data for this patent did not form part of the printed specification, but was obtained from WIPO at <http://www.wipo.int/patents/retriever.html>.
 CC
 XX
 Sequence 89 BP; 22 A: 21 C: 16 G: 30 T: 0 other:
 XX
 PS
 Alignment Scores:
 Pred. No.: 104 Length: 89
 Score: 28.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 22 Gaps: 0
 US-09-856-070-26 (1-5) x ABA36914 (1-89)
 OY 1 GluAspTyrGluGlu 5
 ||||| |||||
 16 CARATTAGAAAG 22
 XX
 RESULT 2
 ID ABA6914/ABA6914 standard; DNA: 89 BP.
 XX
 AC ABA6914;
 XX
 DE Human brain expressed single exon probe SEQ ID No: 1842.
 XX
 XX Human; brain expressed exon; gene expression analysis; probe;
 KW microarray; Alzheimer's disease; multiple sclerosis; schizophrenia;
 KW epilepsy; cancer; ss.
 OS Homo sapiens.
 XX
 PN WO200157275-A2.
 XX
 PR 30-JAN-2001; 2001WO-US00667.
 XX
 PR 04-FEB-2002; 2000US-0186312.
 PR 26-MAY-2002; 2000US-0207456.
 PR 30-JUN-2002; 2000US-060848.
 PR 03-AUG-2002; 2000US-0632466.
 PR 21-SEP-2002; 2000US-0234687.
 PR 27-SEP-2002; 2000US-0236359.
 PR 04-OCT-2002; 2000US-024263.

XX 06-1947-27001
 PD
 XX
 XX 01-JUN-2001: 2001W0-PS1747-2
 FF
 XX
 PR 01-JUN-2000: 2000US3085890.
 PP 2000US3085890 2000US 2441049
 PP 27-MAR-2001: 2001US0818875.
 XX
 PA (TYPE) 0NIV DELAWARE.
 XX
 PI Kmiec EB, Camper HB, Rice MC, Kim J;
 XX DR WPI: 2002-106307/14.
 XX
 PT New oligonucleotides with modified nuclelease-resistant termini, useful
 PT for creating plants with desired phenotypes, e.g., stress tolerance,
 PT improved nutritional value, herbicide or disease resistance, or
 PT modified oil production.
 XX
 PS Claim 7: Page 116: 22097: English
 XX The invention relates to an oligonucleotide for targeted alteration of a
 CC genetic sequence, which comprises a single stranded oligonucleotide
 CC having a DNA domain, the DNA domain has at least one mismatch with
 CC respect to the genetic sequence to be altered and further comprises
 CC chemical modifications of the oligonucleotide. The chemical modifications
 CC consist of O-methyl modification, an RNA modification, two or more
 CC phosphorothioate linkages on a terminus, or a combination of any two or
 CC more of these modifications. The oligonucleotides are useful for
 CC directing repair or alteration of plant genetic information. The
 CC oligonucleotides are particularly useful for creating plants with desired
 CC nutritional value (e.g., altering amino acid content of plants or
 CC conferring amino acid over production), herbicide resistance, e.g.,
 CC phosphosulfate resistance, imidazolinone and sulfonylurea herbicide
 CC resistance, porphyrin herbicide resistance or triazine resistance),
 CC disease resistance, modified oil production, modified starch production
 CC (e.g., increased starch or production of waxy starch), or modified fatty acid content
 CC (e.g., reduced palmitate, increased stearate or reduced linoleic acid).
 CC The oligonucleotides are also useful for producing albino mutants for the
 CC analysis of Photosynthetic Processes. This sequence represents a genome
 CC altering oligonucleotide of the invention.
 XX
 SQ Sequence 121: RP: 31 A: 21 C: 26 G: 43 T: 8 other:
 Alignment Scores:
 Pred. No.: 142 Length: 121
 Score: 28.00 Matches: 5
 Percent. Similarity: 100.00% Conservative: 0
 Best. Local. Similarity: 100.00% Mismatches: 0
 Query Match: 24 Indexes: 0
 DB: Gaps: 0
 US-09-856-070-26 (1-5) x ARK25861 (1-121)
 QY 1 GlnAspTyrGluGlu 5
 DB 66 CAGACATGAGAA 52
 RESULT 8
 ARK25862 standard: DNA: 121 BP.
 ID ARK25862 score: 142
 XX Percent. Similarity: 100.00% Matches: 5
 AC ARK25862; Conservative: 0
 XX Best. Local. Similarity: 100.00% Mismatches: 0
 DI 09-APR-2002 (first entry) Indexes: 0
 XX Query Match: 24 Gaps: 0
 DE Albino plant producing genome altering oligonucleotide #34.
 XX DB: US-09-856-070-26 (1-5) x ARK25862 (1-121)
 KW QY 1 GlnAspTyrGluGlu 5

PR	17-NOV-2000;	2000US-0249217.	AC	AAK55628;
PR	17-NOV-2000;	2000US-0249218.	XX	CC NOV 2001 (first claim)
PP	17-NOV-2003;	2000US-0249244.	CC	Human immune/hematopoietic antigen encoding cDNA SEQ ID NO:688.
PR	17-NOV-2003;	2000US-0249245.	XX	DE
PR	17-NOV-2003;	2000US-0249264.	XX	Human immune/hematopoietic, immune/hematopoietic antigen; cancer:
PR	17-NOV-2003;	2000US-0249265.	KW	antigen; gene therapy; vaccine, metastasis, ss.
PR	17-NOV-2003;	2000US-0249297.	KW	effector; gene therapy; vaccine, metastasis, ss.
PR	17-NOV-2003;	2000US-0249299.	XX	XX
PR	01-DEC-2000;	2000US-0250160.	OS	Homo sapiens.
PR	01-DEC-2000;	2000US-0250391.	XX	XX
PR	05-DEC-2000;	2000US-0251040.	PN	WO200157182-A2.
PR	05-DEC-2000;	2000US-0251988.	XX	XX
PR	05-DEC-2000;	2000US-0254000.	TP	09 AUG 2001.
PR	06-DEC-2000;	2000US-0254719.	XX	XX
PR	08-DEC-2000;	2000US-0255056.	TP	17 JAN 2001. 200105-0801354.
PR	08-DEC-2000;	2000US-0255068.	XX	XX
PR	08-DEC-2000;	2000US-0255089.	TP	01 JAN 2001. 2000US-0179045.
PR	08-DEC-2000;	2000US-0255090.	PR	04-FEB-2001. 2303275 0384628.
PR	08-DEC-2000;	2000US-0255091.	PR	24-FEB-2001. 2000US-0184664.
PR	11-DEC-2000;	2000US-0255094.	FF	05-MAR-2001. 2000US-0186350.
PR	05-JAN-2001;	2000US-0255097.	FF	16-MAR-2001. 2000US-018874.
XX			PR	17-MAR-2001. 2000US-014076.
PA	(HUMA) HUMAN GENE& SEQ INC		PR	18-APR-2001. 2000US-0198123.
PI	Posen CA, Barash SC, Rubin SM;		PR	19-MAY-2001. 2000US-0205515.
XX			PR	07-JUN-2001. 2000US-0209467.
DR	WPI: 2001-463426/52		PR	28-JUN-2001. 2000US-0244886.
XX			PR	09-JUN-2001. 2000US-0251135.
PT	Nucleic acids encoding human immune/hematopoietic and/or metastasis, and/or treating cancers and/or preventing, diagnosing and/or metastasis -		PR	07-JUL-2001. 2000US-0216647.
PT			PR	07-JUL-2001. 2000US-0216680.
XX			PR	11-JUL-2001. 2000US-0217496.
PS	Display: SEQ ID NO: 21253; 307PP + Sequence list in: English.		PR	11-JUL-2001. 2000US-0217497.
XX			PR	14-JUL-2001. 2000US-0218290.
PS	Display: SEQ ID NO: 21253; 307PP + Sequence list in: English.		PR	26-JUL-2001. 2000US-0220964.
CC	AAK54951 to AAK64762 encode the human immune/hematopoietic antigen (1)		PR	14-AUG-2001. 2000US-0224518.
CC	amino acid sequences given in AAM91921. (1) have cytosolic		PR	14-AUG-2001. 2000US-0224519.
CC	activity, and can be used in gene therapy and vaccine production (1)		PR	14-AUG-2001. 2000US-0225213.
CC	proteins and polynucleotides may be used in the prevention, diagnosis and		PR	14-AUG-2001. 2000US-0225214.
CC	treatment of diseases associated with inappropriate (1) expression of (1)		PR	14-AUG-2001. 2000US-0225266.
CC	example, they may be used to treat disorders associated with decreased		PR	14-AUG-2001. 2000US-0225267.
CC	expression by rectifying mutations or deletions in a patient's genome		PR	14-AUG-2001. 2000US-0225268.
CC	or, effect the activity of (1) by expressing negative proteins or (1)		PR	14-AUG-2001. 2000US-0225270.
CC	supplement the patient's own production of (1). Additionally, (1)		PR	14-AUG-2001. 2000US-0225247.
CC	polynucleotides may be used to produce the secreted (1), by inserting		PR	14-AUG-2001. 2000US-0225275.
CC	the nucleic acids into a host cell and culturing the cell to express the		PR	14-AUG-2001. 2000US-0225276.
CC	protein. (1) proteins and polynucleotides may be used to prevent, (1)		PR	14-AUG-2001. 2000US-0225277.
CC	diagnosis and treatment of human immune/hematopoietic related diseases, especially		PR	14-AUG-2001. 2000US-0225279.
CC	cancers and/or metastasis, and/or related disorders, especially		PR	14-AUG-2001. 2000US-0225281.
CC	to AAK87694 represent human immune/hematopoietic antigen genes. AAK64701		PR	14-AUG-2001. 2000US-0225282.
CC	sequences from the present invention, AAK5442, to AAK5446 and AAK5449		PR	22-AUG-2001. 2000US-0225182.
CC	represent sequences used in the exemplification of the present invention.		PR	22-AUG-2001. 2000US-0225183.
XX	Sequence 301: RP: 68 A; 94 C; 71 G; 68 T; 0 other;		PR	30-AUG-2001. 2000US-0228124.
Sequence 301: RP: 68 A; 94 C; 71 G; 68 T; 0 other;			PR	01-SEP-2001. 2000US-0229287.
Alignment Scores:			PR	01-SEP-2001. 2000US-0229343.
Prev. No.:	362	Len: h:	PR	08-SEP-2001. 2000US-0231413.
Score:	28.00	Matches:	PR	08-SEP-2001. 2000US-0231414.
Percent Similarity:	100.00%	Conservative:	PR	08-SEP-2001. 2000US-0231415.
Best Local Similarity:	100.00%	Mismatches:	PR	08-SEP-2001. 2000US-0231416.
Query Match:	100.00%	Indels:	PR	08-SEP-2001. 2000US-0231417.
DB:	22	Caps:	PR	12-SEP-2001. 2000US-0231418.
DB:	22		PR	14-SEP-2001. 2000US-0231419.
US-09-856-070-26 (1-5) x AAK6441 (1-301)			PR	14-SEP-2001. 2000US-0233397.
Qy	1 GlnAspTyrGlnGlu 5		PR	14-SEP-2001. 2000US-0233398.
	1111111111111111		PR	14-SEP-2001. 2000US-0233399.
Db	57 CAGGACATAGAAGA? 71		PR	14-SEP-2001. 2000US-0234000.
RESULT 14			PR	14-SEP-2001. 2000US-0234001.
AAK55628	AAK55628 standard: CONA: 128 bp			
1D				
XX				

XX OS Homo sapiens.
 XX PN WO200192523-A2.
 XX 06-DEC-2001.
 PD
 XX PF 29 MAY 2001; 2001W0-US10836.
 XX PR 30-MAY-2000; 2000US206122P.
 PR 29-AUG-2000; 2000US228716P.
 XX (CURA-) CURAGEN CORP.
 XX P1 Shimkets RA, Leach MD;
 XX DR WO1: 2002-106308/14.
 DR P-PSDB; ABP03750.
 XX PT Novel human polypeptides and polynucleotides useful for diagnosing,
 PT preventing and treating cardiovascular disease, neurodegenerative,
 PT hyperproliferative disorders and autoimmune disorders
 XX PS Disclosure; SEQ ID 7481; 1037pp; English.
 XX The present invention describes substantially purified human proteins
 CC (referred to as open reading frame, ORF, where X is 1-11491 (see table 1
 CC in the specification). AB1572 to AB1572 encode the human ORF X
 CC proteins given in Ab1572 to AB1572. ORF proteins are useful for
 CC treating or preventing a pathology associated with an ORF associated
 CC disorder in humans, and in the manufacture of a medicament for treating a
 CC syndrome associated with ORF associated disorder. ORF polynucleotide
 CC sequences can be used in gene therapy. ORF sequences can be used in the
 CC treatment of cancer, hyperproliferative disorders, cirrhosis of liver,
 CC psoriasis, benign tumours, keloid, degenerative disorders, haemorrhage,
 CC osteoarthritis, neurodegenerative disorders, disorders related to organ
 CC transplantation, cardiovascular diseases, diabetes mellitus, systemic
 CC lupus erythematosus, hypertension, hypothyroidism, cholesterol ester
 CC storage disease, various immune deficiencies and disorders, infectious
 CC diseases, autoimmune disorders such as multiple sclerosis, rheumatoid
 CC arthritis, autoimmune thyroiditis, myasthenia gravis, graft-versus-host
 CC disease and autoimmune inflammatory eye disease. ORF proteins are also
 CC useful for treating burns, incisions, ulcers, for treating osteoporosis,
 CC bone degenerative disorders, or periodontal disease, and for cut
 CC protection or regeneration and treatment of lung or liver fibrosis,
 CC reperfusion injury in various tissues and conditions resulting from
 CC systemic cytokine damage.
 CC N.B. The sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at http://wipo.int/pub/published/pct_sequences.

XX SQ Sequence 372 BP; 73 A; 125 C; 113 G; 59 T; 2 other;
 Alignment Scores:
 Pred. No.: 450 Length: 372
 Score: 28.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 24 Gaps: 0

US-09-856-070-26 (1-5) x ABN19502 (1-372)
 QY 1 GlnAspIYGluGlu 5
 YY 1111111111111111
 Db 84 CAGGACTACGAGAA 70

Search completed: January 16, 2003, 17:19:53
 Job time : 82.9621 secs

